

Landscape Digital Design – ENVT1016

Day 3 – AutoCAD 2010 3D Skills & Info Board Model

Wednesday 13th January 2010

10:00am First morning session begins

Day 2 review
AutoCAD Workspaces (“3D Modeling”) and acadiso3D template
Working in 3D with AutoCAD (solid modelling and general principles)
Basic Solids (Primitives – Box, Sphere etc.)
Viewing 3D objects – ViewCube
Grip editing with gizmos
3D Move and 3D Rotate
Ground shadows
Subobject editing
Visual Styles

11:30am Morning break

11:45am Second morning session begins

Extrude and Press/Pull
Boolean Operations – Union, Subtract and Intersect
Dynamic UCS (DUCS)
UCS Exercise

1:00pm Lunch

2:00pm First afternoon session begins

Sweep, Revolve and Loft
3D Table exercise

3:15pm Afternoon break

3:30pm Second afternoon session begins

3D model of your information board

5:00pm Day ends

UCS Exercise

Draw the 3D objects shown above. It is composed of one cube and six cylinders. The cube has an edge dimension of 100 drawing units and the cylinders have a radius of 40 drawing units and a height of 50 drawing units.

Hint: consider using object snap tracking to locate the circles on the faces of the cube.

Information panel dimensions

Your information board support may take any form you like but the panel that will be used to display the information must be of the dimensions given on the right (1200mm square and 40mm deep) and located 1000mm above the ground.

The tutorials at www.CADTutor.net cover many of the topics taught on this course. More information about this course can be found at the course homepage: www.coursestuff.co.uk

David Watson, January 2010

